

DXLink™ Multi-Format Transmitter Module

AVB-TX-MULTI-DXLINK (FG1010-310)



Overview

The DXLink Multi-Format Transmitter sends analog and digital audio and video signals including HDMI/HDCP, control, and Ethernet while passing USB signals up to 100 meters over one standard twisted pair cable. The DXLink Transmitter can also be used as a point-to-point solution with a DXLink HDMI Receiver. The DXLink Transmitter is powered from the DXLink input card of the Enova DGX. The transmitter features both a multi-format analog port to support legacy devices and an HDMI port to support newer digital devices.

COMMON APPLICATIONS

Ideal All-In-One Presentation Switcher designed to dramatically simplify AV control and distribution in medium and large conference rooms, classrooms and auditoriums. The flexible DVX-3150HD is perfect for any room with a mix of analog and digital sources, multiple displays, or rooms that require support for video conferencing.

FEATURES

- **Only One Cable** – Send audio and video while passing control, Ethernet, USB signals and power
- **Native NetLinx® Control Everywhere** – Control connected source and display devices using the built-in IR and RS232 ports
- **Send HDMI signals up to 100 meters** – Extend the reach of the HDMI signals far beyond the capabilities of typical HDMI cabling
- **Multi-Format Analog Port and HDMI Port** – Supports legacy analog signals - RGBHV, Component, S-video, and Composite, and digital HDMI/HDCP, DisplayPort and DVI signals
- **Standard Twisted Pair Cable** – Save time and effort in installation by leveraging pre-existing cost effective twisted pair cable
- **USB Support** – Delivers signals from a remote keyboard and mouse to locally connected PC

DEALER BENEFITS

- **HDMI/HDCP with the Simplicity of Analog** - Hassle-free plug-and-play operation eliminates the need for time consuming, cumbersome work-around tools to deal with HDCP key constraints and resolution incompatibilities
- **Simplified Design and Installation** - Audio, video, control, USB signals, Ethernet and power are distributed over one twisted pair cable speeding up installation at remote endpoints

- **Reduce Network Drops** - Centralized Ethernet communication from the Enova DGX can be implemented with the ICSlan port - providing IP access points at every DXLink Transmitter and Receiver

CUSTOMER BENEFITS

- **Interruption-Free Content** - Exclusive InstaGate Pro™ Technology allows audio and video to be switched quickly and easily to every connected display without the difficulties typically associated with HDCP
- **Audio, Video and Control Everywhere** - Compact low-profile design and remote powering capabilities allows the transmitter to be installed in discreet locations out of sight without additional wiring

ADDITIONAL FEATURES

- **Powered Remotely** - Power is carried over one twisted pair cable to simplify installation when used with the Enova DGX
- **3D Support** - Pass through latest video formats including 3D and Deep Color
- **Surround Sound Support** - Pass through high definition surround sound including DTS-HD and Dolby TrueHD
- **Ethernet Connectivity** - Provides ICSlan Ethernet support at the Transmitter - add Ethernet connectivity to a Touch Panel, plug in a WAP or stream IP audio/video to a Ethernet enabled source device
- **HDCP compliance**

SPECIFICATIONS

GENERAL	
AC Power	100-240 VAC single phase, 50-60 Hz 0.6 A @ 115 VAC max
DXLink Power	TX unit can alternatively have power supplied over twisted pair cable when connected to a DXLink Power sourcing device such as an Enova DGX Matrix Switcher
Power Consumption (Max)	TBA
Power Consumption (Typ)	12 V (+/-10%), 1.5A (18 W) per unit (Estimate)
Thermal Dissipation (Max)	TBA
Thermal Dissipation (Typ)	61 BTU/hr (Estimate)
Power Connector	2.1 mm DC Power Jack (for optional local DC power)
Operational Temperature	32° to 104° F (0° to 40° C)
Storage Temperature	-22° to 158° F (-30° to 70° C)
Humidity	0 to 90% non-condensing
Mounting Options	Compatible with all V Style versatile mounting options including rack, surface or pole
Advanced Configuration Interface	USB Mini-B Connector
Transport Layer Throughput (Max)	10.2 Gbps
Compatible AMX Products	DXLink HDMI RX, Enova DGX 16 and Enova DGX 32 Matrix Switcher
Twisted Pair Cable Type	Cat5e, Cat6/6e, Cat6a, Cat7, STP, FTP
Twisted Pair Cable Length	Up to 328 ft (100 m)*
Dimensions (HWD)	1" x 8 3/4" x 5 1/5" (2.54 x 22.12 cm x 13.08 cm)
Weight	Approx. 1.1 lb (0.50 kg) Shipping Weight: Approx. 2.20 lb (1.00 kg)
MTBF	TBA
Approvals (Pending)	CE, FCC, UL, cUL, RoHS / WEEE Compliant

FRONT CONNECTORS	
Advanced Configuration Interface	USB Mini-B Connector

BACK CONNECTORS	
Video Input	HD-15 (RGBHV, RGBs, RGsB, Y/Pb/Pr, Y/c / S-Video, composite – breakout cable is required for non RGBHV formats)
HDMI Input	HDMI Type A Female
Analog Stereo Input	3.5mm Mini-Stereo Jack
S/PDIF Digital Audio Input	RCA Jack
ICS LAN/Ethernet Port	RJ-45 Connector, TCP/IP Port (ICS LAN 10/100)
Serial	3.5mm Pluggable Phoenix Terminal Block Bidirectional RS-232 Standard NetLinx Baudrate 1200-115k Parity support Odd/Even/None
IR RX	3.5mm Mini-Stereo Jack Port for IR03 Receiver (Optional)
IR TX	3.5mm Pluggable Phoenix Terminal Block Port for IR01 Emitter (Optional)
USB (HID)	USB Type B Connector
DXLink Output	RJ-45
Local Power	2.1 mm DC Power Jack

CONTROLS & INDICATORS	
ID Pushbutton	Places system in NetLinx Device ID assignment mode
Power Indicator	Green indicates whether or not the module is powered on
Digital Video Indicator	Green LED indicates the presence of video signals through the module
Audio Indicator	Green LED indicates the presence of audio signals through the module
Analog Video Indicator	3 Green LEDs, 1 lights to indicate the presence of the type of analog video through the Multi-Format TX (composite, Y/c; Y/Pb/Pr or RGB; RGBHV or RGBS)
IR TX Indicator	Red LED lights during the transmission of IR data via the rear IR port
IR RX Indicator	Yellow LED lights during the receipt of IR data via the rear IR port
RS-232 TX Indicator	Red LED shows serial transmit (TX) data activity
RS-232 RX Indicator	Yellow LED shows serial receive (RX) data activity
LINK/ACT	Green LED lights when the Ethernet cable is connected and an active link is established. This LED also blinks when receiving Ethernet data packets
Status	Green LED lights when the Controller is programmed and communicating properly
CEC Indicator	Yellow LED shows CEC data activity when in point-to-point mode
USB Indicator	Yellow LED shows USB (HID) activity

HDMI	
Compatible Formats	HDMI 1.4a, HDCP 1.3, DVI 1.0
Input Signal Type	HDMI
Input Signal Support	HDMI
Input Connector	HDMI DVI-D (Single Link with Cable Adapter) DisplayPort ++ (Input Only, with HDMI Cable Adapter)
Data Rate (Max)	4.95 Gbps / 6.75 Gbps^
Pixel Clock (Max)	165 MHz / 225 MHz^
Progressive Resolution Support	480p up to 1920x1200 @ 60 Hz including but not limited to those resolutions shown on Digital Video Resolution Support Appendix
Interlaced Resolution Support	480i, 576i, 1080i
Audio Format Support	Dolby TrueHD, Dolby Digital^^, DTS-HD Master Audio, DTS^^, L-PCM
Audio Resolution	16 bit to 24 bit
Audio Sample Rate	32 kHz, 44.1 kHz, 48 kHz, 96 kHz^^^, 192kHz^^^
Local Audio Support	Yes for audio insertion
HDCP Support	Yes Supports AMX HDCP InstaGate Pro Technology When used with an AMX Matrix Switch the key support is up to 16 sinks per output, independent of source device When used as a single point to point solution the key support is defined by the source device
CEC Support	Pass-Through in point to point mode, not supported when passing through Matrix Switcher
DDC/EDID Support	EDID in point to point mode is passed up from the sink device when used with an AMX Matrix Switch the EDID is provided by the TX and is user re-programmable
Input Voltage (Nominal)	1.0 Vpp Differential
Input Re-clocking (CDR)	Yes
Input Equalization	Yes, Adaptive
Propagation Delay (Typ)	2 us
Deep Color Support	24-bit, 30-bit^, 36-bit^
Color Space Support	TBA
3D Format Support	Yes^ (HDMI Primary Formats) Frame Packing 1080p up to 24Hz Frame Packing 720p up to 50/60Hz Frame Packing 1080i up to 50/60Hz

	Top-Bottom 1080p up to 24Hz Top-Bottom 720p up to 50/60Hz Side-by-Side Full 1080p up to 24Hz Side-by-Side Full 720p up to 50/60Hz Side-by-Side Half 1080p up to 50/60Hz Side-by-Side Half 720p up to 50/60Hz
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^Only supported when the DXLink Rx Scaler is in Bypass mode and format is 1080p60 or less

^^Dolby Digital and DTS support up to 48kHz, 5.1 channels

^^^2 Channel L-PCM support up to 48kHz at all resolutions, 2 Channel L-PCM support up to 192kHz at 1080p (50,59 60Hz), 2 Channel L-PCM support up to 96kHz at 720p (50,59 60Hz), 1080p (24, 25, 30, 50, 59, 60Hz), 1080i (50, 59, 60 fields)

Note-Reminder: Interlace video supported into the Transmitter, progressive only supported out of the Receiver unless in non-scaling bypass mode

ANALOG VIDEO	
Compatible Formats	RGBHV, RGBs, RGsB YPbPr (HDTV) Y/c (S-Video), C (Composite)
Progressive Resolution Support	480p up to 1920x1200 @ 60 Hz (reference Analog Table Format Appendix for extended list)
Interlaced Resolution Support ^{^^^}	Interlaced Resolution Support ^{^^^} :480i, 576i, 1080i (reference Analog Table Format Appendix for extended list)
Auto-Adjust Input	Supported
RGB Input Signal Level Range	750 mVpp
RGB Input Impedance	75 Ω
HV Sync Input Signal Level Range	0 to + 5 V
HV Sync Input Impedance	TBA
HV Sync Input Trigger Voltage	TBA
Digital Processing	TBA
Y/Pb/Pr Input Signal Level Range	1.0 Vpp for Y, 700 mVpp for Pb Pr
Y/Pb/Pr Input Impedance	75 Ω
Y/c (S-Video) Input Signal Level Range	1.0 Vpp for Y, 300 mVpp for c
Y/c (S-Video) Input Impedance	75 Ω
C (Composite) Input Signal Level Range	1.0 Vpp
C (Composite) Input Impedance	75 Ω
Input Connector	HD-15 (Breakout cable required for non RGBHV formats)

^{^^^} Interlace video supported into the Transmitter, progressive only supported out of the Receiver unless in scaler bypass mode.

AUDIO (ANALOG & DIGITAL S/PDIF)	
Input Signal Types	Stereo Analog, S/PDIF Video signal must be present to pass Audio
Analog Input Level (Max)	+3 dBu, unbalanced
Analog Input Impedance	10k Ω
Analog to Digital Conversion	48 kHz Sample Rate, 24-bit
S/PDIF Resolution	16 to 24 bit
S/PDIF Sample Rate	32 kHz, 44.1 kHz, 48 kHz, 96 kHz^^^
S/PDIF Input Signal Level Range	200 mVpp to 600mVpp terminated
S/PDIF Input Impedance	75 Ω
Analog to Digital Reference Level	TBA
Optimal Analog Audio Operating Range	TBA
Optimal Digital Audio Operating Range	TBA
Input Connectors	3.5mm Mini-Stereo Jack (Analog Stereo) RCA Jack (S/PDIF)

^^^ 96 kHz audio only available when source video resolution is 800x600 @ 60Hz(40 MHz pixel clock) or greater. Otherwise 48 kHz max

DIGITAL VIDEO RESOLUTION SUPPORT APPENDIX

CEA(RGBHV): 640x480p@59Hz, 720x480p@59Hz, 720(1440)x480i@59Hz, 720x480p@60Hz, 720x480p@119Hz, 720x480p@120Hz, 720x480p@239Hz, 720x480p@240Hz, 720x576p@50Hz, 720(1440)x576i@50Hz, 720x576p@100Hz, 720x576p@200Hz, 768x576p@50Hz, 960x576p@50Hz, 960(1920)x576i@50Hz, 1280x720p@23Hz, 1280x720p@24Hz, 1280x720p@25Hz, 1280x720p@29Hz, 1280x720p@30Hz, 1280x720p@50Hz, 1280x720p@59Hz, 1280x720p@60Hz, 1280x720p@100Hz, 1280x720p@119Hz, 1280x720p@120Hz, 1920x1080p@23Hz, 1920x1080p@24Hz, 1920x1080i@25Hz, 1920x1080p@25Hz, 1920x1080i@29Hz, 1920x1080p@29Hz, 1920x1080i@30Hz, 1920x1080p@30Hz, 1920x1080p@50Hz, 1920x1080p@59Hz, 1920x1080p@60Hz

CVR (RGBHV): 768x480p@60Hz, 800x600p@60Hz, 800x600p@120Hz, 848x480p@60Hz, 960x600p@60Hz, 1024x576p@60Hz, 1024x640p@60Hz, 1024x768p@60Hz, 1024x768p@120Hz, 1064x600p@60Hz, 1152x720p@60Hz, 1152x864p@60Hz, 1224x768p@60Hz, 1280x720p@60Hz, 1280x768p@60Hz, 1280x768p@120Hz, 1280x800p@120Hz, 1280x960p@60Hz, 1280x1024p@60Hz, 1360x768p@60Hz, 1360x768p@120Hz, 1400x1050p@60Hz, 1440x900p@60Hz, 1536x960p@60Hz, 1600x1000p@60Hz, 1600x1200p@60Hz, 1680x1050p@60Hz, 1704x960p@60Hz, 1728x1080p@60Hz, 1800x1350p@60Hz, 1864x1050p@60Hz, 1920x1080p@60Hz, 1920x1200p@60Hz

CVT (RGBHV): 640x360p@85Hz, 640x400p@75Hz, 640x400p@85Hz, 640x480p@75Hz, 640x480p@85Hz, 768x480p@60Hz, 768x480p@75Hz, 768x480p@85Hz, 800x600p@50Hz, 800x600p@60Hz, 800x600p@75Hz, 800x600p@85Hz, 848x480p@50Hz, 848x480p@60Hz, 848x480p@75Hz, 848x480p@85Hz, 960x600p@50Hz, 960x600p@60Hz, 960x600p@75Hz, 960x600p@85Hz, 1024x576p@50Hz, 1024x576p@60Hz, 1024x576p@75Hz, 1024x576p@85Hz, 1024x640p@50Hz, 1024x640p@60Hz, 1024x640p@75Hz, 1024x640p@85Hz, 1024x768p@50Hz, 1024x768p@60Hz, 1024x768p@75Hz, 1024x768p@85Hz, 1064x600p@50Hz, 1064x600p@60Hz, 1064x600p@75Hz, 1064x600p@85Hz, 1152x720p@50Hz, 1152x720p@60Hz, 1152x720p@75Hz, 1152x720p@85Hz, 1152x864p@60Hz, 1224x768p@50Hz, 1224x768p@60Hz, 1224x768p@75Hz, 1224x768p@85Hz, 1280x720p@50Hz, 1280x720p@60Hz, 1280x720p@75Hz, 1280x720p@85Hz, 1280x768p@50Hz, 1280x768p@60Hz, 1280x768p@75Hz, 1280x768p@85Hz, 1280x800p@50Hz, 1280x800p@75Hz, 1280x800p@85Hz, 1280x960p@50Hz, 1280x960p@60Hz, 1280x960p@75Hz, 1280x960p@85Hz, 1280x1024p@50Hz, 1280x1024p@60Hz, 1280x1024p@75Hz, 1280x1024p@85Hz, 1360x768p@50Hz, 1360x768p@60Hz, 1360x768p@75Hz, 1360x768p@85Hz, 1400x1050p@50Hz, 1400x1050p@60Hz, 1400x1050p@75Hz, 1440x900p@60Hz, 1440x900p@75Hz, 1440x900p@85Hz, 1536x960p@50Hz, 1536x960p@60Hz, 1536x960p@75Hz, 1600x1000p@50Hz, 1600x1000p@60Hz, 1600x1000p@75Hz, 1600x1200p@50Hz, 1600x1200p@60Hz, 1680x1050p@50Hz, 1680x1050p@60Hz, 1704x960p@50Hz, 1704x960p@60Hz, 1728x1080p@50Hz, 1728x1080p@60Hz, 1864x1050p@50Hz, 1864x1050p@60Hz, 1920x1080p@50Hz, 1920x1200p@50Hz

DMR(RGBHV): 1280x800p@60Hz, 1366x768p@60Hz, 1600x900p@60Hz

DMT(RGBHV): 640x350p@85Hz, 640x400p@85Hz, 640x480p@60Hz, 640x480p@72Hz, 640x480p@75Hz, 640x480p@85Hz, 720x400p@85Hz, 800x600p@56Hz, 800x600p@60Hz, 800x600p@72Hz, 800x600p@75Hz, 800x600p@85Hz, 848x480p@60Hz, 1024x768i@43Hz, 1024x768p@60Hz, 1024x768p@70Hz, 1024x768p@75Hz, 1024x768p@85Hz, 1152x864p@70Hz, 1152x864p@75Hz, 1152x864p@85Hz, 1280x800p@60Hz, 1280x960p@60Hz, 1280x960p@75Hz, 1280x960p@85Hz, 1280x1024i@43Hz, 1280x1024p@60Hz, 1280x1024p@75Hz, 1280x1024p@85Hz, 1360x768p@60Hz, 1366x768p@60Hz, 1600x1200i@48Hz, 1600x1200p@60Hz

ANALOG FORMAT SUPPORT TABLE APPENDIX

CEA (YPbPr): 720x480p@59Hz, 720x480p@60Hz, 720x480p@119Hz, 720x480p@120Hz, 720x480p@239Hz, 720x480p@240Hz, 720x576p@50Hz, 720x576i@50Hz, 720x576p@100Hz, 720x576p@200Hz, 768x576p@50Hz, 960x480p@59Hz, 960x576p@50Hz, 960x576i@50Hz, 1280x720p@23Hz, 1280x720p@24Hz, 1280x720p@25Hz, 1280x720p@29Hz, 1280x720p@30Hz, 1280x720p@50Hz, 1280x720p@59Hz, 1280x720p@60Hz, 1280x720p@100Hz, 1280x720p@119Hz, 1280x720p@120Hz, 1920x1080p@23Hz, 1920x1080p@24Hz, 1920x1080i@25Hz, 1920x1080p@25Hz, 1920x1080i@29Hz, 1920x1080p@29Hz, 1920x1080i@30Hz, 1920x1080p@30Hz, 1920x1080p@50Hz, 1920x1080p@59Hz, 1920x1080p@60Hz

CEA(RGBHV): 640x480p@59Hz, 720x480p@59Hz, 720(1440)x480i@59Hz, 720x480p@60Hz, 720x480p@119Hz, 720x480p@120Hz, 720x480p@239Hz, 720x480p@240Hz, 720x576p@50Hz, 720(1440)x576i@50Hz, 720x576p@100Hz, 720x576p@200Hz, 768x576p@50Hz, 960x576p@50Hz, 960(1920)x576i@50Hz, 1280x720p@23Hz, 1280x720p@24Hz, 1280x720p@25Hz, 1280x720p@29Hz, 1280x720p@30Hz, 1280x720p@50Hz, 1280x720p@59Hz, 1280x720p@60Hz, 1280x720p@100Hz, 1280x720p@119Hz, 1280x720p@120Hz, 1920x1080p@23Hz, 1920x1080p@24Hz, 1920x1080i@25Hz, 1920x1080p@25Hz, 1920x1080i@29Hz, 1920x1080p@29Hz, 1920x1080i@30Hz, 1920x1080p@30Hz, 1920x1080p@50Hz, 1920x1080p@59Hz, 1920x1080p@60Hz

CVR (RGBHV): 768x480p@60Hz, 800x600p@60Hz, 800x600p@120Hz, 848x480p@60Hz, 960x600p@60Hz, 1024x576p@60Hz, 1024x640p@60Hz, 1024x768p@60Hz, 1024x768p@120Hz, 1064x600p@60Hz, 1152x720p@60Hz, 1152x864p@60Hz, 1224x768p@60Hz, 1280x720p@60Hz, 1280x768p@60Hz, 1280x960p@60Hz, 1280x960p@120Hz, 1360x768p@60Hz, 1360x768p@120Hz, 1400x1050p@60Hz, 1440x900p@60Hz, 1536x960p@60Hz, 1600x1000p@60Hz, 1600x1200p@60Hz, 1680x1050p@60Hz, 1704x960p@60Hz, 1728x1080p@60Hz, 1800x1350p@60Hz, 1864x1050p@60Hz, 1920x1080p@60Hz, 1920x1200p@60Hz

CVT (RGBHV): 640x360p@85Hz, 640x400p@75Hz, 640x400p@85Hz, 640x480p@75Hz, 640x480p@85Hz, 768x480p@60Hz, 768x480p@75Hz, 768x480p@85Hz, 800x600p@50Hz, 800x600p@60Hz, 800x600p@75Hz, 800x600p@85Hz, 848x480p@50Hz, 848x480p@60Hz, 848x480p@75Hz, 848x480p@85Hz, 960x600p@50Hz, 960x600p@60Hz, 960x600p@75Hz, 960x600p@85Hz, 1024x576p@50Hz, 1024x576p@60Hz, 1024x576p@75Hz, 1024x576p@85Hz, 1024x640p@50Hz, 1024x640p@60Hz, 1024x640p@75Hz, 1024x640p@85Hz, 1024x768p@50Hz, 1024x768p@60Hz, 1024x768p@75Hz, 1024x768p@85Hz, 1064x600p@50Hz, 1064x600p@60Hz, 1064x600p@75Hz, 1064x600p@85Hz, 1152x720p@50Hz, 1152x720p@60Hz, 1152x720p@75Hz, 1152x720p@85Hz, 1152x864p@60Hz, 1224x768p@50Hz, 1224x768p@60Hz, 1224x768p@75Hz, 1224x768p@85Hz, 1280x720p@50Hz, 1280x720p@60Hz, 1280x720p@75Hz, 1280x720p@85Hz, 1280x720p@90Hz, 1280x768p@50Hz, 1280x768p@60Hz, 1280x768p@75Hz, 1280x768p@85Hz, 1280x800p@50Hz, 1280x800p@60Hz, 1280x800p@75Hz, 1280x800p@85Hz, 1280x960p@50Hz, 1280x960p@60Hz, 1280x960p@75Hz, 1280x960p@85Hz, 1280x1024p@50Hz, 1280x1024p@60Hz, 1280x1024p@75Hz, 1280x1024p@85Hz, 1360x768p@50Hz, 1360x768p@60Hz, 1360x768p@75Hz, 1360x768p@85Hz, 1400x1050p@50Hz, 1400x1050p@60Hz, 1400x1050p@75Hz, 1440x900p@60Hz, 1440x900p@75Hz, 1440x900p@85Hz, 1536x960p@50Hz, 1536x960p@60Hz, 1536x960p@75Hz, 1600x1000p@50Hz, 1600x1000p@60Hz, 1600x1200p@50Hz, 1600x1200p@60Hz, 1680x1050p@50Hz, 1680x1050p@60Hz, 1704x960p@50Hz, 1704x960p@60Hz, 1728x1080p@50Hz, 1728x1080p@60Hz, 1864x1050p@50Hz, 1864x1050p@60Hz, 1920x1080p@50Hz, 1920x1200p@50Hz

DMR(RGBHV): 1280x800p@60Hz, 1366x768p@60Hz, 1600x900p@60Hz

DMT(RGBHV): 640x350p@85Hz, 640x400p@85Hz, 640x480p@60Hz, 640x480p@72Hz, 640x480p@75Hz, 640x480p@85Hz, 720x400p@85Hz, 800x600p@56Hz, 800x600p@60Hz, 800x600p@72Hz, 800x600p@75Hz, 800x600p@85Hz, 848x480p@60Hz, 1024x768i@43Hz, 1024x768p@60Hz, 1024x768p@70Hz, 1024x768p@75Hz, 1024x768p@85Hz, 1152x864p@70Hz, 1152x864p@75Hz, 1152x864p@85Hz, 1280x800p@60Hz, 1280x960p@60Hz, 1280x960p@75Hz, 1280x960p@85Hz, 1280x1024i@43Hz, 1280x1024p@60Hz, 1280x1024p@75Hz, 1280x1024p@85Hz, 1360x768p@60Hz, 1366x768p@60Hz, 1600x1200i@48Hz, 1600x1200p@60Hz

CEA (RGbs): 720x576p@50Hz, 720x576p@100Hz, 720x576p@200Hz

CVT (RGbs): 640x480p@72Hz, 640x480p@75Hz, 640x480p@80Hz, 640x480p@85Hz, 800x600p@50Hz, 800x600p@56Hz, 800x600p@60Hz, 800x600p@72Hz, 800x600p@75Hz, 800x600p@80Hz, 800x600p@85Hz, 1024x768p@50Hz, 1024x768p@60Hz, 1024x768p@65Hz, 1024x768p@70Hz, 1024x768p@75Hz, 1024x768p@85Hz, 1152x864p@65Hz, 1152x864p@70Hz, 1152x864p@75Hz, 1152x864p@80Hz, 1280x960p@50Hz, 1280x960p@60Hz, 1280x960p@75Hz, 1280x960p@85Hz, 1280x1024p@50Hz, 1280x1024p@60Hz, 1280x1024p@75Hz, 1280x1024p@80Hz, 1280x1024p@85Hz, 1400x1050p@50Hz, 1400x1050p@54Hz, 1400x1050p@60Hz, 1400x1050p@65Hz, 1400x1050p@75Hz, 1400x1050p@82Hz, 1600x1200p@50Hz, 1600x1200p@60Hz

DMT (RGbs): 640x480p@60Hz, 640x480p@72Hz, 800x600p@56Hz, 800x600p@72Hz, 1024x768p@70Hz, 1152x864p@70Hz, 1152x864p@85Hz

CEA (RGsB): 720x576p@50Hz, 720x576p@100Hz, 720x576p@200Hz

CVT (RGsB): 640x480p@72Hz, 640x480p@75Hz, 640x480p@80Hz, 640x480p@85Hz, 800x600p@50Hz, 800x600p@56Hz, 800x600p@60Hz, 800x600p@72Hz, 800x600p@75Hz, 800x600p@80Hz, 800x600p@85Hz, 1024x768p@50Hz, 1024x768p@60Hz, 1024x768p@65Hz, 1024x768p@70Hz, 1024x768p@75Hz, 1024x768p@85Hz, 1152x864p@65Hz, 1152x864p@70Hz, 1152x864p@75Hz, 1152x864p@80Hz, 1280x960p@50Hz, 1280x960p@60Hz, 1280x960p@75Hz, 1280x960p@85Hz, 1280x1024p@50Hz, 1280x1024p@60Hz, 1280x1024p@75Hz, 1280x1024p@80Hz, 1280x1024p@85Hz, 1400x1050p@50Hz, 1400x1050p@54Hz, 1400x1050p@60Hz, 1400x1050p@65Hz, 1400x1050p@75Hz, 1400x1050p@82Hz, 1600x1200p@50Hz, 1600x1200p@60Hz

DMT (RGsB): 640x480p@60Hz, 640x480p@72Hz, 800x600p@56Hz, 800x600p@72Hz, 1024x768p@70Hz, 1152x864p@70Hz, 1152x864p@85Hz

CEA (YPbPr): 720x480p@59Hz, 720x480p@60Hz, 720x480p@119Hz, 720x480p@120Hz, 720x480p@239Hz, 720x480p@240Hz, 720x576p@50Hz, 720x576i@50Hz, 720x576p@100Hz, 720x576p@200Hz, 768x576p@50Hz, 960x480p@59Hz, 960x576p@50Hz, 960x576i@50Hz, 1280x720p@23Hz, 1280x720p@24Hz, 1280x720p@25Hz, 1280x720p@29Hz, 1280x720p@30Hz, 1280x720p@50Hz, 1280x720p@59Hz, 1280x720p@60Hz, 1280x720p@100Hz, 1280x720p@119Hz, 1280x720p@120Hz, 1920x1080p@23Hz, 1920x1080p@24Hz, 1920x1080i@25Hz, 1920x1080p@25Hz, 1920x1080i@29Hz, 1920x1080p@29Hz, 1920x1080i@30Hz, 1920x1080p@30Hz, 1920x1080p@50Hz, 1920x1080p@59Hz, 1920x1080p@60Hz

About AMX

AMX hardware and software solutions simplify the implementation, maintenance, and use of technology to create effective environments. With the increasing number of technologies and operating platforms at work and home, AMX solves the complexity of managing this technology with reliable, consistent and scalable systems. Our award-winning products span control and automation, system-wide switching and audio/video signal distribution, digital signage and technology management. They are implemented worldwide in conference rooms, homes, classrooms, network operation / command centers, hotels, entertainment venues, broadcast facilities, and more. ©2011 AMX. All rights reserved.

Specifications subject to change. Revised 9-Sep-11.

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